

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-002967

(43)Date of publication of application : 08.01.2003

---

(51)Int.Cl.

C08G 69/28

---

(21)Application number : 2001-189939

(71)Applicant : TOYOBO CO LTD

(22)Date of filing : 22.06.2001

(72)Inventor : YOSHIDA, HIDEKAZU  
MARUYAMA, TAKESHI  
SUZUKI, KENTA

---

## (54) METHOD FOR PRODUCING POLYAMIDE RESIN

### (57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for producing a polyamide resin whose gelation is suppressed.

SOLUTION: This method for producing the polyamide resin in which  $\geq 70$  mol. % of a diamine component is m-xylylenediamine and further in which the total contents of tertiary nitrogen comprising nitrogen based on imino compounds and nitrogen based on tertiary amides is  $\leq 0.5$  mol. % with respect to the total nitrogen content based on secondary amides, comprising a continuous process consisting mainly of a raw material-preparing process, an salt-formation process, an pre-polymerization process and a post-polymerization process, controls supply accuracy C/A (molar ratio; dicarboxylic acid/diamine) to 1.025 to 0.975, when the dicarboxylic acid and the diamine are supplied from the raw material-preparing process to the salt-formation process, controlling a salt concentration, namely the aqueous concentration of the aminocarboxylic acid salt produced from the amine and the dicarboxylic acid in the amidation process, to  $\geq 80$  wt.%, and further controlling a retention time, namely a time needed from the start of the supply of the raw materials to the salt-formation process to the discharge of the polyamide resin, to  $\leq 210$  min.

---

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of  
rejection]

[Kind of final disposal of application other than  
the examiner's decision of rejection or  
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]